

December 9, 2016

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee  
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for  
CPC, OPC, and WPC

**Climate Prediction Center**

The following accelerated items were implemented this past week:

None

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The following will be implemented the week of December 12, 2016:

RFC #802 – Make changes to the Long Range Forecast transmission to conform to the desired naming convention of archival files on the public website. To be implemented on December 12 at 1200Z.

RFC #803 - Add an additional set of model-calibration cron jobs that produce calibrated GEFS forecasts specifically for CPC's Probabilistic Extremes Precip tool. To be implemented on December 12 at 2100Z.

RFC #804 – climdivs v1.3 - The legacy CPC degree days outlook, which is still accessed by many users, is dependent on a GFS MOS input file produced by MDL. The process broke with the NBM deployment because the WCOSS path changed. This change is to get that file from the proper channels through dataflow (/common/data) rather than relying on a WCOSS push. This change will mitigate such failures in the future, as the path may change on WCOSS but it won't be changed in /common/data. To be implemented on December 13 at 1500Z.

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The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of December 12, 2016 may affect CPC:

RFC #2660 – GFSMOS v5.0.5 - A request was made by CPC to add the GFSMOS output file 'mdl\_fecn21' to the NetApp. This change adds an alert to WCOSS script 'exgfsmos\_station\_extprdgen.sh.ecf' to send the file to the NetApp. To be implemented on December 13 at 1500Z.

RFC #2667 - Replace existing Orlando gear with new router, switches, etc. The DNS and Subversion servers will be taken offline for a period of time. There will be a different path taken for the network while the affected servers are offline. This work is scheduled to occur between 1500Z on December 12 and 2100Z on December 16. There may be an outage of 30-60 minutes while the router is replaced, so developers will not have access to the Orlando WCOSS system during that time. WCOSS shared storage may be unmounted as well, to prevent it from becoming unstable.

RFC #4869 (NCO-SS) – Block access for all outbound internet DNS queries except to two NOAA recursive DNS servers, as a test. Implementation will occur on December 14 at 1500Z and be rolled back December 14 at 2100Z.

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The following NCO RFCs are in progress and may affect CPC:

None

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**Ocean Prediction Center**

The following accelerated items were implemented this past week:

None

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The following will be implemented the week of December 12, 2016:

RFC #805 – 'launch\_500.csh' v16.12.14 - An old \*gif.001 file in the working directory for script 'launch\_500.csh' was not being cleaned up, which resulted in an older chart being published to the web over the correct one. The gif image cleanup for that directory is being updated to remove \*.gif\*. To be implemented on December 14 at 1400Z.

The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of December 12, 2016 may affect OPC:

RFC #2664 – GMDSS goes live in Boulder, effective December 13 at 1900Z.

RFC #2665 – Install Archive Perl modules on the opcop1-8 linux boxes. To be implemented on December 14 at 1500Z.

RFC #2667 - Replace existing Orlando gear with new router, switches, etc. The DNS and Subversion servers will be taken offline for a period of time. There will be a different path taken for the network while the affected servers are offline. This work is scheduled to occur between 1500Z on December 12 and 2100Z on December 16. There may be an outage of 30-60 minutes while the router is replaced, so developers will not have access to the Orlando WCOS system during that time. WCOS shared storage may be unmounted as well, to prevent it from becoming unstable.

RFC #4869 (NCO-SS) – Block access for all outbound internet DNS queries except to two NOAA recursive DNS servers, as a test. Implementation will occur on December 14 at 1500Z and be rolled back December 14 at 2100Z

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The following NCO RFCs are in progress and may affect OPC:

RFC #2588 - Upgrade Red Hat v5 operational workstations to Red Hat v6 due to the end of life approaching for Red Hat v5. This is an ongoing project with one to two upgrades per week. Upgrades began on November 28 and should be completed by February 28, 2017. No OPC workstations are scheduled for this week.

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### **Weather Prediction Center**

The following accelerated items were implemented this past week:

None

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The following will be implemented the week of December 12, 2016:

RFC #806 – 'create\_bawx\_ndfd\_graphics.csh' v2016.12.12 - FEMA has requested graphics depicting the Basic Weather forecast fronts without the Pressures and Wx Type. The script 'create\_bawx\_ndfd\_graphics.csh' has been modified to generate an additional graphic depicting the Basic Weather fronts only. The new graphic will be sent to the WPC ftp server. To be implemented on December 12 at 1300Z.

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The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of December 12, 2016 may affect WPC:

RFC #2667 - Replace existing Orlando gear with new router, switches, etc. The DNS and Subversion servers will be taken offline for a period of time. There will be a different path taken for the network while the affected servers are offline. This work is scheduled to occur between 1500Z on December 12 and 2100Z on December 16. There may be an outage of 30-60 minutes while the router is replaced, so developers will not have access to the Orlando WCOSS system during that time. WCOSS shared storage may be unmounted as well, to prevent it from becoming unstable.

RFC #4869 (NCO-SS) – Block access for all outbound internet DNS queries except to two NOAA recursive DNS servers, as a test. Implementation will occur on December 14 at 1500Z and be rolled back December 14 at 2100Z.

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The following NCO RFCs are in progress and may affect WPC:

RFC #2588 - Upgrade Red Hat v5 operational workstations to Red Hat v6 due to the end of life approaching for Red Hat v5. This is an ongoing project with one to two upgrades per week. Upgrades began on November 28 and should be completed by February 28, 2017. WPC's sfc workstation is scheduled to be upgraded on December 15.

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Please note that security-related RFCs are never listed in the RFC memo.

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---- OPERATIONAL ANNOUNCEMENTS ----

The CPC/OPC/WPC Configuration Management documents are available at  
<https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.

Users who wish to view their network utilization via the Scrutinizer appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at [NCWCP.helpdesk@noaa.gov](mailto:NCWCP.helpdesk@noaa.gov).